Owner's Manual

20" Reel Mower

WARNING! To Reduce The Risk Of Injury, User Must Read And Understand Instruction Manual.

SP-PM200M

FOR SERVICE CALL:
PARA SERVICIO LLAME: **888-896-6881**

www.steele-products.com

TECHNICAL DATA

Cutting Path	20" (50.8 cm)
Height Adjustments	1 3/4 - 2 3/4" (4.5 - 7 cm)
Wheels	6" (15 cm) rear wheels, 10" (25 cm) front wheels
Weight	27 lbs (12.35 kg)

UNPACKING

PACKING LIST

1 Top Handle
2 Centre Handle pieces
2 Lower Handle pieces
8 Knobs, 8 Bolts, 8 Washers
2 C-clips
1 Reel Mower Body

Note:

- Carefully remove the parts from the box.
- Inspect the parts carefully in order to verify that no breakage or damage occurred during shipping.
- Do not discard the packing material until all parts have been examined.
- If any parts are damaged or missing, call 888-896-6881 for assistance.

SAFETY RULES

IMPORTANT! Some of the following symbols may appear on this tool. Study them carefully and learn their meaning. Proper interpretation of these symbols will allow for better and safer operation of the tool.

SAFETY RULES

- Never place hands, fingers, or feet inside the reel. Although this mower is not powered by a motor, the reel spins when the wheels turn, and it is sharp enough to cause serious injury.
- Never mow the grass when it is wet enough to be slippery.
- Do not use the reel mower while barefoot or while wearing sandals.
- Walk slowly. Do not run. Always make sure of your footing when using the reel mower.
- Do not intentionally strike or ram trees, fences, etc. Doing so may cause injury or may severely damage the reel mower mechanisms.
- Verify that the reel mower is in proper operating condition. Do not attempt to operate the reel mower if it is damaged. Have it repaired before using.

ASSEMBLY

ASSEMBLING THE HANDLE

ASSEMBLY INSTRUCTIONS Refer to Fig 1.

This product normally requires 6 to 10 minutes for assembly.

1. Insert the 2 center handle pieces into the left and right sides of the top handle, and secure them in place using screws.
2. Connect the right lower handle to the left lower handle, and secure using two 1 3/8” long bolts and hex nuts (provided).
3. Attach the top handle assembly to the lower handle assembly using four 1 3/8” long bolts and hex nuts (provided).
4. Tighten all of the hex nuts on the joints of the handle assembly.

Tools Required

Pliers (Not included)

NOTE: Do not tighten the bolts completely until all bolts have been inserted through the holes in the handle pieces.

1. Top handle
2. Center handle pieces
3. Left lower handle
4. Right lower handle
5. Foam grip
6. Long bolts
7. Flat washer
8. C-clip
9. Knob

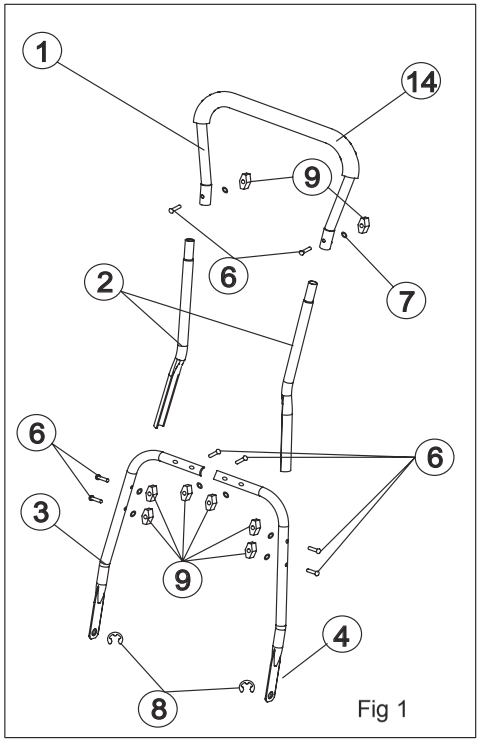


Fig 1

ASSEMBLY

ATTACHING THE HANDLE TO THE MOWER BASE

1. After assembling the handle, line up the holes at the lower end of each handle arm with the short posts that extend out from the side plates of the mower base.
2. Insert the posts into the holes at the end of the handle arms, and then snap the C-clips (1) onto the slotted posts (2) on both sides, in order to prevent the handle from coming off.

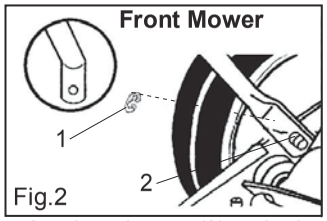


Fig.2

NOTE: It may be necessary to use the pliers in order to grip the C-clips properly and to apply the required pressure.

OPERATION

CUTTING HEIGHT ADJUSTMENTS

1.The cutting height of the 20" (50.8 cm) Reel Mower can be adjusted from 1 3/4 to 2 3/4" (4.5 to 7 cm) by moving the height adjusment levers (1) to the desired position. The height adjusment levers are located next to the smaller wheels.

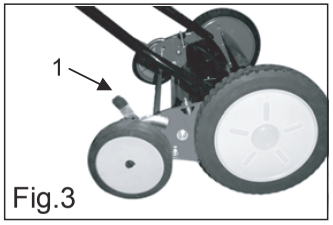


Fig.3

2. In order to set the mower to its lowest cutting position, pull the height adjustment levers (1) on both sides to their highest positions.
3. In order to set the mower to its highest cutting position, move the adjustment levers (1) on both sides to their lowest positions.

Note: The two height adjustors MUST be set to the same position (height).

4. The mower can be set to other cutting heights by moving the adjustors to any position within their range.

ASSEMBLY

ADJUSTING THE MOWER BLADE

NOTE: The blades were pre-adjusted prior to leaving the factory, but it is recommended that the adjustment be verified prior to the first use.

• Vibrations during shipping can cause misalignment, which often causes the blades to become too loose or too tight. This will result in a rough, uneven cut, or the mower will be hard to push.

1. Each end of the cutting bar can be adjusted separately.
2. The cutting bar blade, which is located under the reel, is able to pivot. The two adjustment nuts (2) located at the back of the mower move the cutting bar away from the blades when they are turned counter-clockwise, and closer to the blades when they are turned clockwise.
3. The upper locking nut (1) that is located between the front and rear radial wheels must be loosened before the cutting bar can be adjusted.

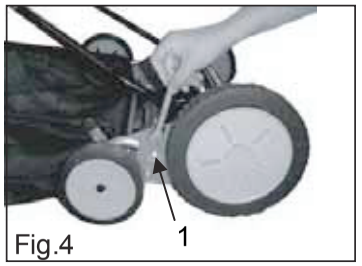


Fig.4

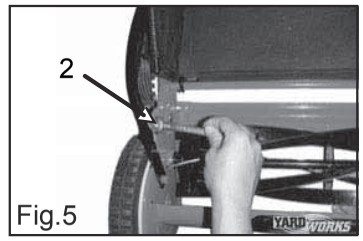


Fig.5

WARNING

Do not over-tighten the cutting bar, because doing so could damage the cutting bar and the blades.

OPERATION

LOOSENING THE BLADES

The cutter bar must be moved away from the cutting reel.

1. Loosen both screws by an equal amount by turning them counter-clockwise.

TIGHTENING THE BLADES

The cutter bar must be moved closer to the cutting reel.

1. Tighten the screws by an equal amount by turning them clockwise.

CHECKING THE ADJUSTMENTS

1. Turn mower upside-down.
2. Insert a piece of paper between the cutter bar and the reel blades, and carefully turn the reel wheels by hand.
3. All of the blades should slice the paper evenly, along the entire length of the cutter bar, while the reel turns smoothly.
4. If the mower produces an intermittent cut, the appropriate side of the blades should be adjusted in order to achieve the proper cutting action.

GENERAL CARE

1. A minimal amount of care is required in order to ensure the smooth operation of the mower.
2. In order to avoid damage to the mower or to the cutting blades, keep the area to be mowed free of any debris.
3. For best results, regularly apply oil or lubricant to the mower's cutting surfaces, cutting reel axle shaft, and wheels.

WARNING: Clean any grinding compound or debris from the cutting bar blade, reel blade, pinions, and pawls.

NOTE: Use a 10 MM socket or wrench to adjust the cutting bar. Use an industrial or valve lapping compound of between 100 and 240 grit on the blades in order to ensure that all traces of compound are removed. Lubricate the axle and pinion with a light film of wheel bearing grease.

WARRANTY

For ONE YEAR from the date of purchase, Steele Products will, at its option, repair or replace for the original purchaser, free or charge, any part or parts found to be defective in material or workmanship

This warranty does not cover:

1.Any part which has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper mainte nance or alteration; or
2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual;or
3. Normal wear, except as noted below;
4.Routine maintenance items such as lubricants, blade sharpening;
5. Normal deterioration of the exterior finish due to use or exposure.

Full One Hundred Twenty Days Warranty on Normal Wear Parts: Normal wear parts are defined as blade adaptors, blades, grass bags and tires. These parts are warranted to the original purchaser to be free from defects in material and workmanship for a period of one hundred twenty (120) days from the date of retail purchase.

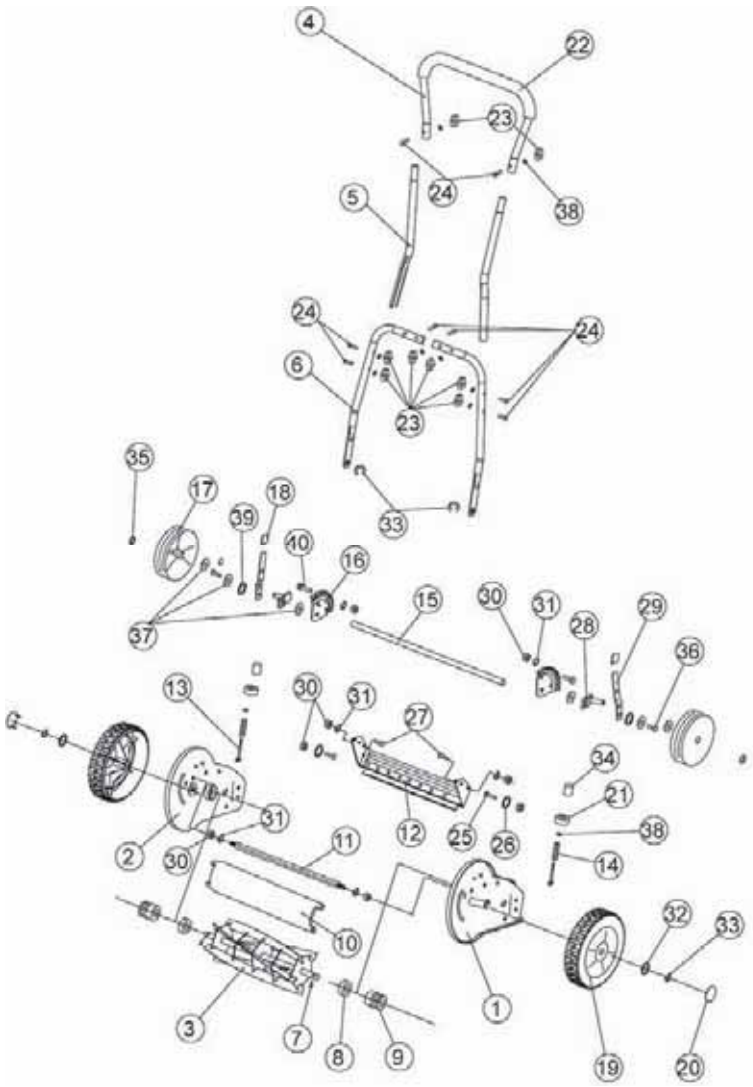
How to Obtain Service: Warranty service is available, with proof of purchase, through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please call toll free 888-896-6881. The factory will not accept the return of a complete unit unless prior written permission has been extended by Steele Products.

Transportation Charges: Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. The purchaser must pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by Steele Products.

Other Warranties: All other warranties, express or implied, including any implied warranty of merchantability is limited in its duration to that set forth in this express limited warranty. The provisions as set forth in this warranty provide the sole and exclusive remedy of Steele Products obligations arising from the sale of its products.

Steele Products will not be liable for incidental or consequential loss or damage.

PARTS LIST



PARTS LIST

Item	Description	Qty
1	Left housing support	1
2	Right housing support	1
3	Cutting reel	1
4	Top push handle	1
5	Centre handle pieces	2
6	Lower handle	2
7	Pin	2
8	Bearing	2
9	Gear wheel	2
10	Housing	1
11	Long shaft	1
12	Cutting bar	1
13	Cutting bar adjustment bolt	2
14	Cutting bar adjustment Spring	2
15	Shaft	1
16	Cutting height adjustment	2
17	Rear Wheel	2
18	Rubber cover	2
19	Front wheel	2
20	Wheel cover	2
21	Cutting bar adjustment locking nut nut	2
22	Foam grip	1
23	Knob	8
24	Bolt	8
25	Bolt	2
26	Flat washer	2
27	Bolt	2
28	Rear wheel shaft	2
29	Cutting height adjustment lever	2
30	Nut M8	8
31	Spring washer	6
32	Flat Washer	2
33	Large c-clip	2
34	Rubber protection cover	2
35	c-clip	2
36	Bolt	2
37	Flat Washer	6
38	Flat Washer	10
39	Large C-Clip	2

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